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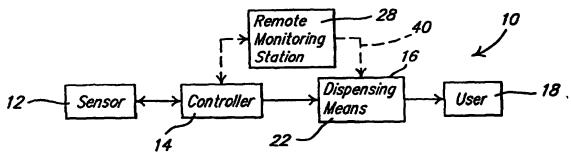
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(54) Title: SYSTEM AND METHOD OF ACTIVE NEURO-PROTECTION FOR DETECTING AND ARRESTING TRAUMATIC BRAIN INJURY AND SPINAL CORD INJURY



(57) Abstract: A system and method of active neuro-protection for detecting and arresting injury to an individual is provided. The system includes a sensing means for sensing the occurrence of a predetermined event within an environment and for operatively transmitting an event indicating signal. The system also includes a controller operatively in communication with the sensing means including a processor for processing the event indicating signal to determine if a predetermined condition is met for releasing a neuro-protective agent. The system further includes a dispensing means for releasing the neuro-protective drug, and the dispensing means is operatively in communication with the controller, and releases the neuro-protective drug if the controller transmits a drug releasing signal to the dispensing means if the predetermined condition is met. A method includes the steps of monitoring for a predetermined condition that would induce a traumatic injury to an individual within an environment using the sensing means, determining if the predetermined traumatic injury inducing condition is detected by the controller, and dispensing a neuro-protective drug from a dispensing means operatively in communication with the controller if the predetermined traumatic injury inducing condition is detected.



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